







Technical Bulletin for: European Carnation Tortrix

Cacaecimopha pronubana (Hübner) • Lepidoptera, Tortricidae • CACPRO



DISTRIBUTION	Europe, North Africa South Africa, indigenous to the Mediterranean region
HOSTS	Apples, cherries citrus, raspberries, carrots, potatoes, savoy cabbages, clover, and tomatoes
DESCRIPTION	
Adult Moth	The body of adults are 7-10 mm in length. Wingspan is 18-22 mm for females and 15-17 mm for males. Forewings Yellowish-Brown or Purplish-Brown with narrow transverse bands (2 in males, 1 in females). Hindwings orange with dark-brown edges. Females are generally lighter in color than males
Larvae	Initially yellow with black head, turning brown by 2 nd instar. Attains yellowish-brown head with dark spots during 7 th instar, at a length of 20 mm. Prothorax is yellowish green. Depending on diet, abdomen is yellow, olive green or greyish-brown.
Eggs	1mm, oval to round, flattened & scale-like with reticulate chorion. Initially light green, then becoming yellow. Laid in mucilage-covered clusters from 10-200 individual eggs, up to a total of 700 eggs, on the upper surface of leaves or greenhouse materials.
LIFE HISTORY	Larvae mature from the end of March to May, the pupal stage lasting 10-45 days, and adults emerge in April; they fly and deposit eggs until June. First generation larvae emerge and feed from April to August. Pupation takes 15-17 days and second-generation imagoes appear from mid-August and fly until the end of September or beginning of October, some individuals hatching up until November if conditions (food and temperature) are favorable. Following a very warm season, a third generation may develop in the autumn on evergreen plants.

MONITORING INFORMATION

LURE ACTIVE INGREDIENTS, SUBSTRATE & FIELD LIFE	Z11-14Ac, Z11-14OH, Z11-14Alc and E11-14Ac in a Red Rubber Septum. Lure Longevity: Thirty (30) days.	
TRAP TO USE	Red Paper or Plastic Delta or Wing Trap	  
MONITORING STRATEGY	Hang trap high in the tree. Check with Cooperative Extension or Master Gardener for local information and recommendations.	
CULTURAL & PHYSICAL CONTROL	Inspect leaves for egg cluster or for larvae feeding on the leaves or flowers/fruits of the tree. Remove these infested portions and dispose of as necessary. In extreme cases, removal of the entire infested tree may be required.	

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